ELSEVIER

The Journal of Systems and Software 57 (2001) 235–236

The Journal of Systems and Software

www.elsevier.com/locate/jss

Contents Volume 57

Contents

A note on the evolution of software engineering practices
D.E. Drehmer and S.M. Dekleva 1

Management of process improvement by prescription
P. Middleton and B. McCollum 9

Experimental comparison of coarse-grained concepts in UML, OML, and TOS
A. Zendler, T. Pfeiffer, M. Eicks and F. Lehner 21

A simple process for migrating server applications to SMP:s
D. Häggander and L. Lundberg 31

Incentive compatibility and systematic software reuse
R.G. Fichman and C.F. Kemerer 45

A simulation study on coordination strategies: decision cycle-time perspective
G.-m.J. Kim, R. Myung and A.F. Emdad 61

Exploratory analysis of environmental factors for enhancing the software reliability assessment
X. Zhang, M.-Y. Shin and H. Pham 73

Empirical comparison of regression test selection algorithms
N. Mansour, R. Bahsoon and G. Baradhi 79

A hybrid approach to OO development: the SUMMITrak project at TCI
A. Bhattacherjee, K. DeShazer, J.H. Gerlach and B. Rierden 91

An industrial study of reuse, quality, and productivity
W.B. Frakes and G. Succi 99

A study of the allocation behavior of C++ programs
J.M. Chang, W.H. Lee and W. Srisa-an 107

Grounding the OML metamodel in ontology
A.L. Opdahl and B. Henderson-Sellers 119

Non-linear array data dependence test
T.-C. Huang and C.-M. Yang 145

An approach to modeling and evaluation of functional and timing specifications of real-time systems
M. Naedele 155

References architectures for enterprise integration
R. Chalmeta, C. Campos and R. Grangel 175

A conceptual foundation for component-based software deployment
A. Parrish, B. Dixon and D. Cordes 193

Using UML-F to enhance framework development: a case study in the local search heuristics domain
M. Fontoura, C.J. Lucena, A. Andreatta, S.E. Carvalho and C.C. Ribeiro 201

Experience with identifying and characterizing problem-prone modules in telecommunication software systems
J. Tian, A. Nguyen, C. Allen and R. Appan 207

A technique for function block counting
B. Hall, G. Orr and T.E. Reeves 217

How good is the critical factor concept in estimating the average number of character comparisons per item in string sorting?
S.H. Mustafa and F.A. Masoud 221

Communication cost of cognitive co-operation for distributed team development
H. Zhuge and X. Shi 227

Contents of Volume 235